



(19)

(11) Publication number: 09

Generated Document.

**PATENT ABSTRACTS OF JAPAN**

(21) Application number: 08018329

(51) Int'l. Cl.: F16K 31/06 F16K 31/1

(22) Application date: 08.01.96

(30) Priority:

(43) Date of application publication: 22.07.97

(84) Designated contracting states:

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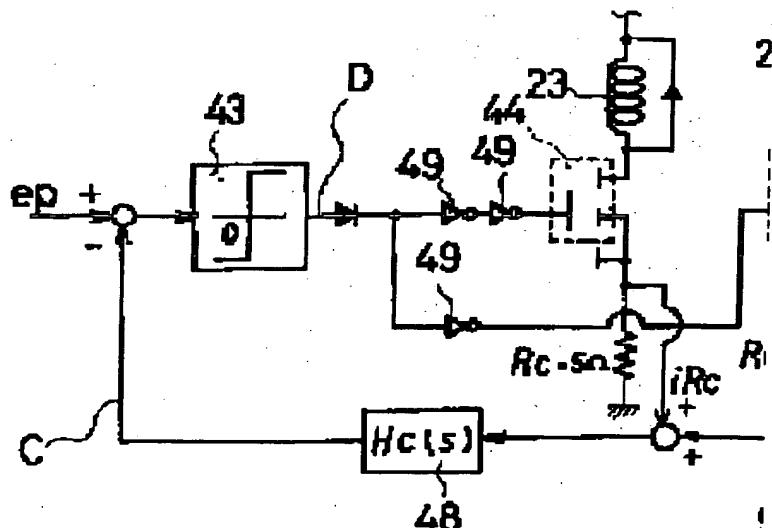
(74) Representative:

**(54) CONTROL METHOD OF  
SOLENOID CHANGE-OVER  
VALVE AND CONTROL  
DEVICE**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To prevent occurrence of a limit cycle produced in the case of driving a solenoid change-over valve by simple on and off control.

**SOLUTION:** A control method of a solenoid change-over valve is to have a comparator 43 to control electrification to driving coils 23, 24 of the solenoid change-over valve and to feed back an electric current flowing in the driving coils 23, 24 to the comparator 43 through a first order lag transfer function  $Hc(s)$ . Hereby, time constant of the first order lag transfer function  $Hc(s)$  is made 0.01 second or more and 0.33



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05/03/2002

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